

Attorney's Docket No. K&A 21-0781  
Client's Docket No. LOA337

## APPLICATION

## FOR UNITED STATES LETTERS PATENT

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## SPECIFICATION

TO ALL WHOM IT MAY CONCERN:

BE IT KNOWN THAT I, **RHONDA BRENT**, a citizen of  
UNITED STATES OF AMERICA, have invented a new and useful  
**MOTORCYCLE HELMET** of which the following is a  
specification:



# MOTORCYCLE HELMET

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## BACKGROUND OF THE INVENTION

### Field of the Invention

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The present invention relates to sound devices mounted in a helmet and more particularly pertains to a new motorcycle helmet for permitting a user to listen to a compact disk while wearing a helmet.

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### Description of the Prior Art

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The use of sound devices mounted in a helmet is known in the prior art. U.S. Patent No. 5,136,657 describes a device for being mounted in a helmet for allowing a user to listen to pre-recorded material while wearing the helmet. Another type of sound device mounted in a helmet is U.S. Patent No. 4,077,007 having a radio and antennae mounted in a helmet for picking up radio broadcasts and playing for the wearer to hear. U.S. Patent No. 4,524,461 has a radio system for receiving for the user of the helmet to hear and transmitting radio signals for the user. U.S. Patent No. 5,280,651 having a portable sound system for generating audio signals for a user to hear while wearing headphones. U.S. Patent No. 5,462,421 has a helmet having a plurality of speakers coupled to a jack for

being plugged into a portable audio device to allow a user to listen to music while wearing the helmet.

While these devices fulfill their respective, particular  
5 objectives and requirements, the need remains for a device that has certain improved features that allows a user to wear a protective helmet and listen audio compact disks.

## 10 SUMMARY OF THE INVENTION

The present invention meets the needs presented above by providing a playing assembly positioned in a helmet that reads audio compact disks and has a plurality of speaker to audibly  
15 transmit the music to the user.

Still yet another object of the present invention is to provide a new motorcycle helmet that allows a user to listen to audio compact discs while wearing a protective helmet.

20 To this end, the present invention generally comprises a helmet being designed for protecting a head of a user from impact. The helmet has a perimeter wall defining an interior space. The perimeter wall has a lower peripheral lip defining a lower opening  
25 whereby the lower opening is designed for permitting the head of the user to be inserted into the interior space of the helmet. The perimeter wall has a forward peripheral lip defining a front opening whereby the front opening is designed for permitting the user to see when the head of the user is positioned in the interior space. A  
30 playing assembly is positioned in the perimeter wall of the helmet. The playing assembly is designed for reading audio information

from a compact disc. Each of a plurality of speakers is positioned in the perimeter wall of the helmet. Each of the speakers is operationally coupled to the playing assembly. Each of the speakers is designed for audibly playing the audio information read  
5 by the playing assembly.

There has thus been outlined, rather broadly, the more important features of the invention in order that the detailed description thereof that follows may be better understood, and in  
10 order that the present contribution to the art may be better appreciated. There are additional features of the invention that will be described hereinafter and which will form the subject matter of the claims appended hereto.

15 The objects of the invention, along with the various features of novelty which characterize the invention, are pointed out with particularity in the claims annexed to and forming a part of this disclosure.

## 20 **BRIEF DESCRIPTION OF THE DRAWINGS**

The invention will be better understood and objects other than those set forth above will become apparent when consideration is given to the following detailed description thereof. Such  
25 description makes reference to the annexed drawings wherein:

Figure 1 is a perspective view of a new motorcycle helmet according to the present invention.

30 Figure 2 is a side view of the present invention with the lid member in the open position.

Figure 3 is a front view of the present invention.

Figure 4 is a top view of the present invention taken along line 4-4 of Figure 3.

Figure 5 is a cross-sectional view of the present invention taken along line 5-5 of Figure 3.

## DESCRIPTION OF THE PREFERRED EMBODIMENT

With reference now to the drawings, and in particular to Figures 1 through 5 thereof, a new motorcycle helmet embodying the principles and concepts of the present invention and generally designated by the reference numeral 10 will be described.

As best illustrated in Figures 1 through 5, the motorcycle helmet 11 10 generally comprises a helmet 11 being designed for protecting a head of a user from impact. The helmet 11 has a perimeter wall 12 defining an interior space 13. The perimeter wall 12 has a lower peripheral lip 14 defining a lower opening 15 whereby the lower opening 15 is designed for permitting the head of the user to be inserted into the interior space 13 of the helmet 11. The perimeter wall 12 has a forward peripheral lip 16 defining a front opening 17 whereby the front opening 17 is designed for permitting the user to see when the head of the user is positioned in the interior space 13.

A playing assembly 18 is positioned in the perimeter wall 12 of the helmet 11. The playing assembly 18 is designed for reading audio information from a compact disc.

Each of a plurality of speakers 19 is positioned in the perimeter wall 12 of the helmet 11. Each of the speakers 19 is

operationally coupled to the playing assembly 18. Each of the speakers 19 is designed for audibly playing the audio information read by the playing assembly 18.

5           The helmet 11 has a visor portion 20. The visor portion 20 is positioned in the front opening 17 of the helmet 11. The visor portion 20 is designed for deflecting wind around the helmet 11 and out of the eyes of the user.

10           A plurality of buttons 21 is operationally coupled to the playing assembly 18. The buttons 21 are positioned in the perimeter wall 12 of the helmet 11 proximate the front opening 17 of the helmet 11 whereby the buttons 21 are designed for being easily accessible by the user. Each of the buttons 21 is for  
15           controlling a function of the playing assembly 18 when the buttons 21 are actuated by the user.

            The buttons 21 comprise a play button 22. The play button 22 is for actuating the playing assembly 18 whereby the playing  
20           assembly 18 reads audio information from the compact disk received by the playing assembly 18.

            The buttons 21 comprise a stop button 23. The stop button 23 is for actuating the playing assembly 18 whereby the playing  
25           assembly 18 discontinues reading of audio information from the compact disc when the user has previously actuated the play button 22.

            The buttons 21 comprise a pause button 24. The pause button  
30           24 is for actuating the playing assembly 18 whereby the playing

assembly 18 pauses reading of audio information from the compact disc when the pause button 24 is actuated once by the user. The playing assembly 18 is designed for resuming reading of audio information from the compact disc when the pause button 24 is actuated a second time by the user.

The buttons 21 comprise a search button 25. The search button 25 is for actuating the playing assembly 18 whereby the playing assembly 18 fast forwards through the audio information from the compact disc when the user has previously actuated the play button 22.

The buttons 21 comprise a skip button 26. The skip button 26 is for actuating the playing assembly 18 whereby the playing assembly 18 skips to the audio information of the next song on the compact disc when the user has previously actuated the play button 22.

The buttons 21 comprise a volume button 27. The volume button 27 is for actuating the playing assembly 18 for controlling the volume of the speakers 19.

The helmet 11 has a lid member 28. The lid member 28 is pivotally coupled to the perimeter wall 12 of the helmet 11. The lid member 28 is positioned adjacent the playing assembly 18. The lid member 28 is pivotable between an open position and a closed position. The lid member 28 is designed for permitting the compact disc to be operationally coupled to the playing assembly 18 when the lid member 28 is in the open position. The lid member 28 is

designed for covering the compact disc when the lid member 28 is the closed position.

A lid button 29 is operationally coupled to the lid member 28.

5 The lid button 29 is positioned in the perimeter wall 12 of the helmet 11 proximate the front opening 17 of the helmet 11 whereby the lid button 29 is designed for being easily accessible by the user. The lid button 29 is for permitting the lid member 28 to be pivoted between the open position and the closed position when the lid  
10 button 29 is actuated by the user.

In use, the user depresses the lid button 29 and inserts a compact disc into the playing assembly 18 when the lid member 28 has reached the open position. The user then closes the lid member  
15 28 and puts the helmet 11 on. The play button 22 can then be depressed to allow the user to listen to the music on the compact disc. The other buttons 21 can then be used to adjust playback of the compact disk.

20 With respect to the above description then, it is to be realized that the optimum dimensional relationships for the parts of the invention, to include variations in size, materials, shape, form, function and manner of operation, assembly and use, are deemed readily apparent and obvious to one skilled in the art, and all  
25 equivalent relationships to those illustrated in the drawings and described in the specification are intended to be encompassed by the present invention.

Therefore, the foregoing is considered as illustrative only of  
30 the principles of the invention. Further, since numerous modifications and changes will readily occur to those skilled in the

art, it is not desired to limit the invention to the exact construction and operation shown and described, and accordingly, all suitable modifications and equivalents may be resorted to, falling within the scope of the invention.